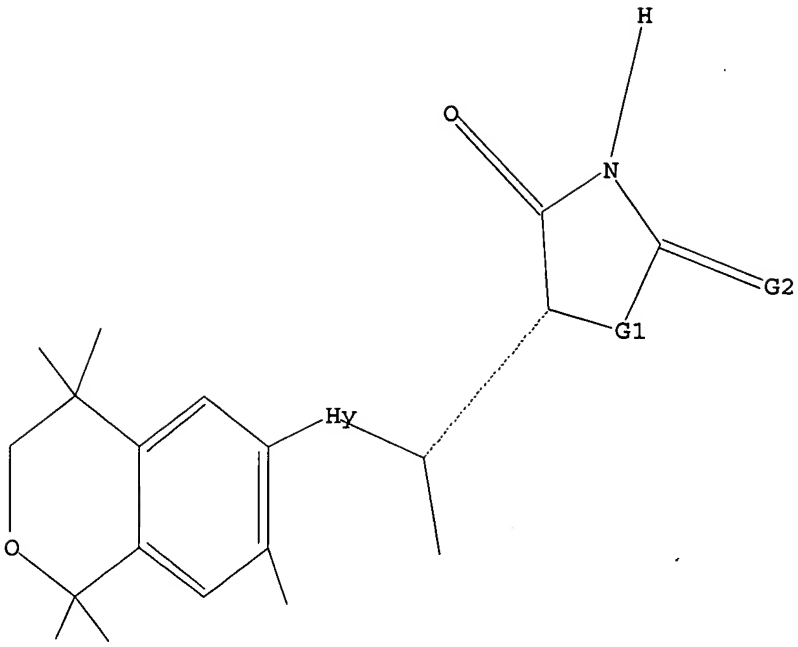
=> d
L1 HAS NO ANSWERS
L1 STR



G1 S,N
G2 O,S

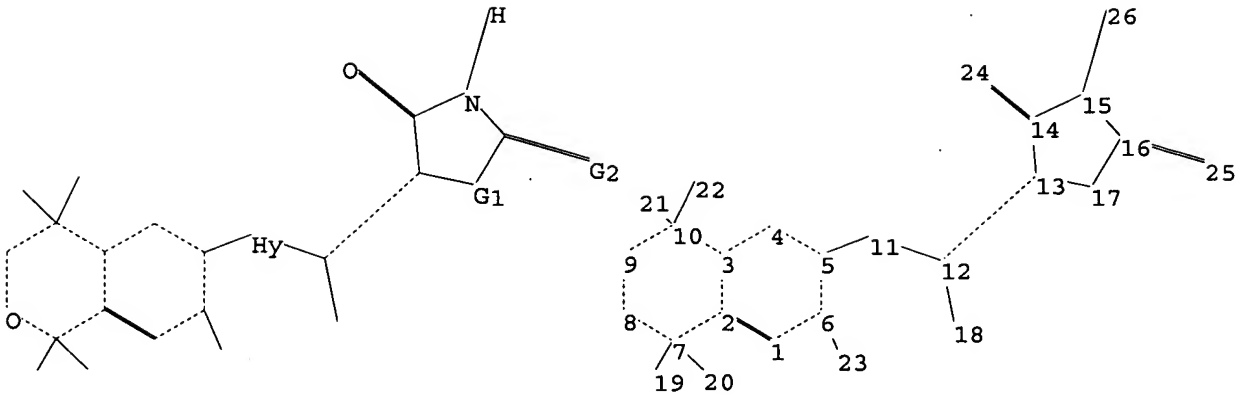
Structure attributes must be viewed using STN Express query preparation.

=> s l1 ful
FULL SEARCH INITIATED 13:33:32 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 5 TO ITERATE

100.0% PROCESSED 5 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

L2 0 SEA SSS FUL L1

=>
Uploading C:\Program Files\Stnexp\Queries\rkc111b.str



chain nodes :
11 12 18 19 20 21 22 23 24 25 26
ring nodes :
1 2 3 4 5 6 7 8 9 10 13 14 15 16 17
chain bonds :
5-11 6-23 7-19 7-20 10-21 10-22 11-12 12-13 12-18 14-24 15-26 16-25
ring bonds :
1-2 1-6 2-3 2-7 3-4 3-10 4-5 5-6 7-8 8-9 9-10 13-14 13-17 14-15 15-16
16-17
exact/norm bonds :
1-2 1-6 2-3 2-7 3-4 3-10 4-5 5-6 5-11 6-23 7-8 7-19 7-20 8-9 9-10
10-21 10-22 11-12 12-13 12-18 13-14 13-17 14-15 14-24 15-16 15-26 16-17
16-25
isolated ring systems :
containing 1 : 13 :

G1:S,N

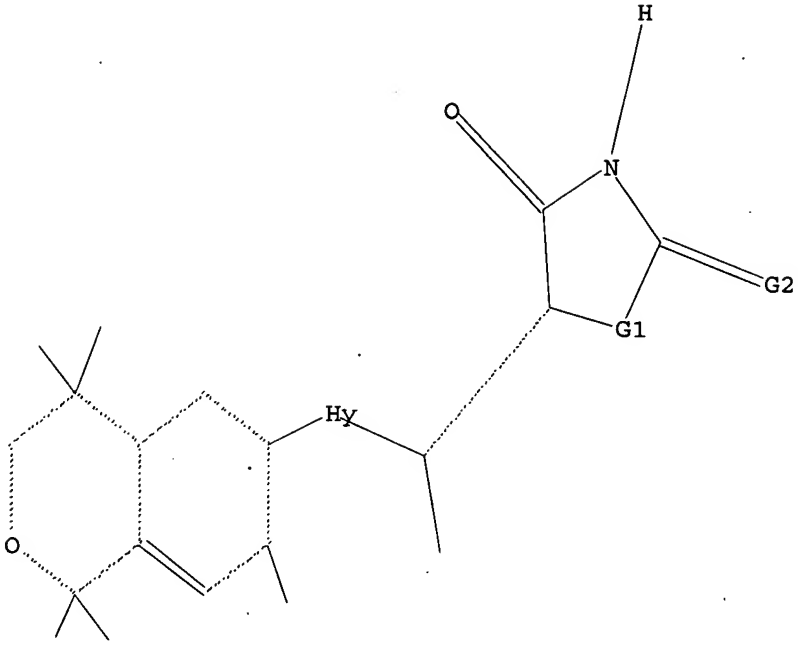
G2:O,S

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:CLASS 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:CLASS 19:CLASS
20:CLASS 21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS
Generic attributes :
11:
Saturation : Unsaturated
Number of Carbon Atoms : less than 7
Type of Ring System : Monocyclic

Element Count :
Node 11: Limited
O,O0-1
S,S0-1
N,N0-2

L3 STRUCTURE UPLOADED

=> d
L3 HAS NO ANSWERS
L3 STR



G1 S,N

G2 O,S

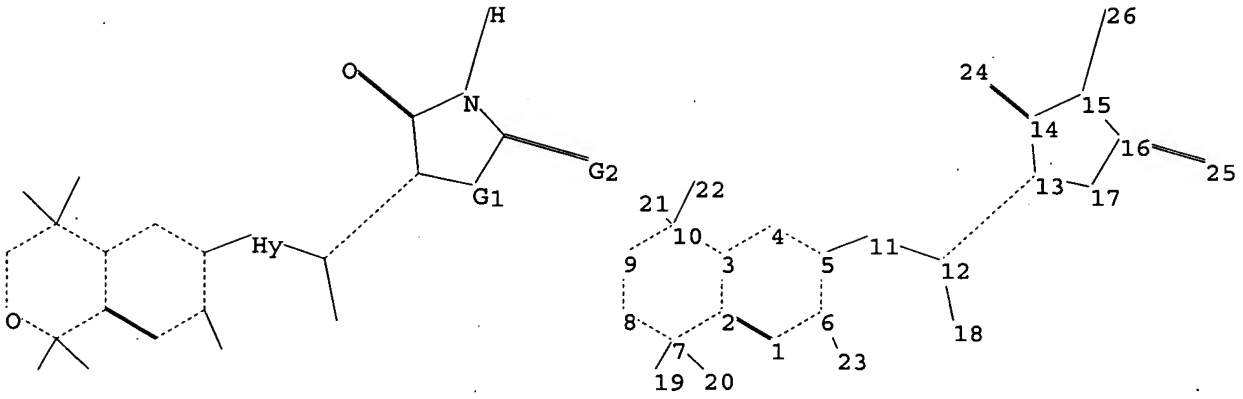
Structure attributes must be viewed using STN Express query preparation.

=> s l3 ful
FULL SEARCH INITIATED 13:35:13 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 5 TO ITERATE

100.0% PROCESSED 5 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

L4 0 SEA SSS FUL L3

=>
Uploading C:\Program Files\Stnexp\Queries\rkc111c.str



chain nodes :
11 12 18 19 20 21 22 23 24 25 26
ring nodes :
1 2 3 4 5 6 7 8 9 10 13 14 15 16 17
chain bonds :
5-11 6-23 7-19 7-20 10-21 10-22 11-12 12-13 12-18 14-24 15-26 16-25
ring bonds :
1-2 1-6 2-3 2-7 3-4 3-10 4-5 5-6 7-8 8-9 9-10 13-14 13-17 14-15 15-16
16-17
exact/norm bonds :
1-2 1-6 2-3 2-7 3-4 3-10 4-5 5-6 5-11 6-23 7-8 7-19 7-20 8-9 9-10
10-21 10-22 11-12 12-13 12-18 13-14 13-17 14-15 14-24 15-16 15-26 16-17
16-25
isolated ring systems :
containing 1 : 13 :

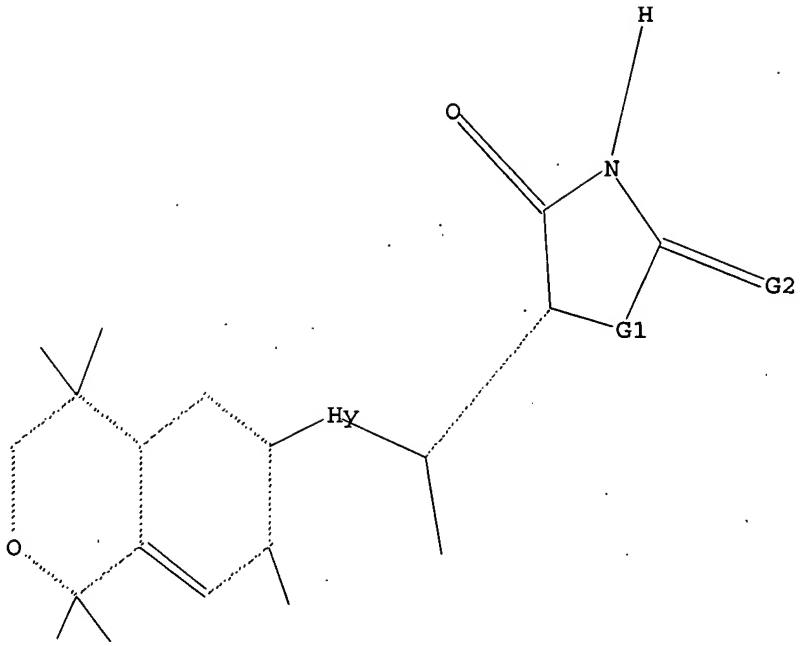
G1:S,N

G2:O,S

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:CLASS 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:CLASS 19:CLASS
20:CLASS 21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS
Generic attributes :
11:
Saturation : Unsaturated
Number of Carbon Atoms : less than 7
Type of Ring System : Monocyclic

L5 STRUCTURE UPLOADED

=> d
L5 HAS NO ANSWERS
L5 STR



G1 S,N

G2 O,S

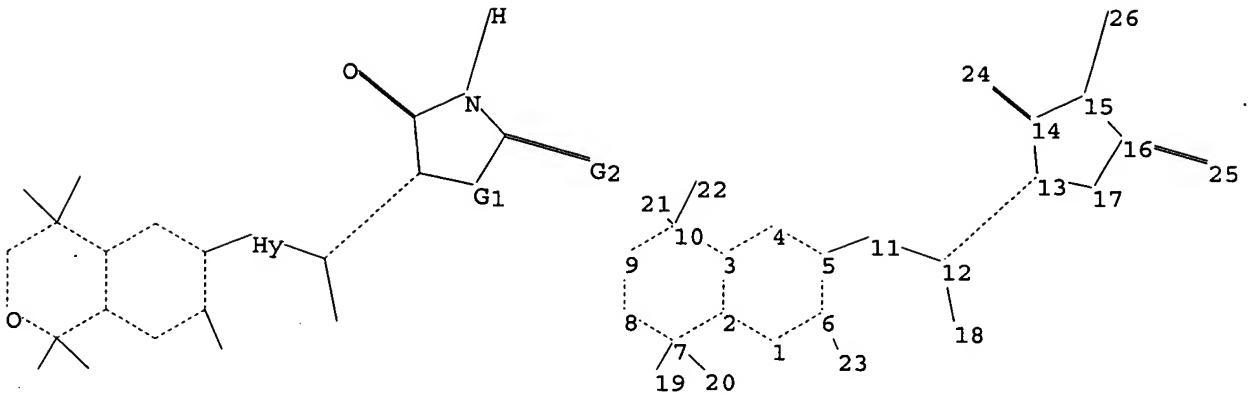
Structure attributes must be viewed using STN Express query preparation.

```
=> s l5 ful
FULL SEARCH INITIATED 13:37:18 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -      5 TO ITERATE

100.0% PROCESSED        5 ITERATIONS                                0 ANSWERS
SEARCH TIME: 00.00.01

L6             0 SEA SSS FUL L5

=>
Uploading C:\Program Files\Stnexp\Queries\rkc111d.str
```



chain nodes :
11 12 18 19 20 21 22 23 24 25 26
ring nodes :
1 2 3 4 5 6 7 8 9 10 13 14 15 16 17
chain bonds :
5-11 6-23 7-19 7-20 10-21 10-22 11-12 12-13 12-18 14-24 15-26 16-25
ring bonds :
1-2 1-6 2-3 2-7 3-4 3-10 4-5 5-6 7-8 8-9 9-10 13-14 13-17 14-15 15-16
16-17
exact/norm bonds :
1-2 1-6 2-3 2-7 3-4 3-10 4-5 5-6 5-11 6-23 7-8 7-19 7-20 8-9 9-10
10-21 10-22 11-12 12-13 12-18 13-14 13-17 14-15 14-24 15-16 15-26 16-17
16-25
isolated ring systems :
containing 1 : 13 :

G1:S,N

G2:O,S

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:CLASS 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:CLASS 19:CLASS
20:CLASS 21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS
Generic attributes :
11:
Saturation : Unsaturated
Number of Carbon Atoms : less than 7
Type of Ring System : Monocyclic

L7 STRUCTURE UPLOADED

=> s l7 ful
FULL SEARCH INITIATED 13:38:35 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 5 TO ITERATE

100.0% PROCESSED 5 ITERATIONS 0 ANSWERS

SEARCH TIME: 00.00.01

L8 0 SEA SSS FUL L7

=>

---Logging off of STN---

=>
Executing the logoff script...

=> LOG Y

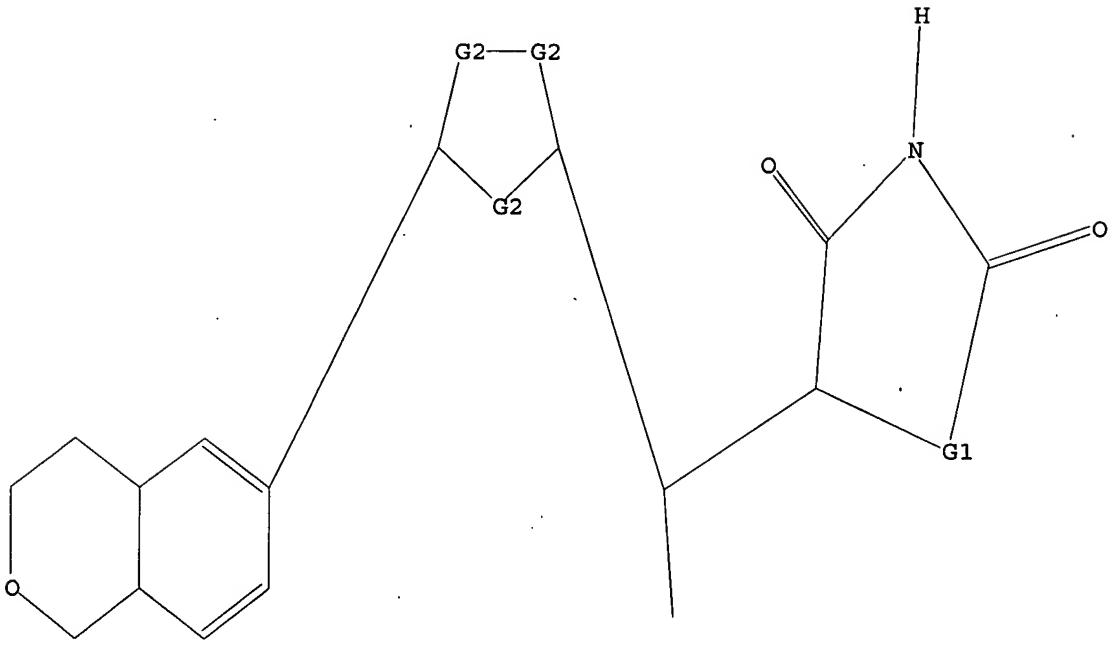
COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	647.90	648.11

STN INTERNATIONAL LOGOFF AT 13:38:52 ON 27 JUL 2005

=>
Uploading C:\Program Files\Stnexp\Queries\rkc111e.str

L1 STRUCTURE UPLOADED

=> d
L1 HAS NO ANSWERS
L1 STR



G1 S,N

G2 O,S,N

Structure attributes must be viewed using STN Express query preparation.

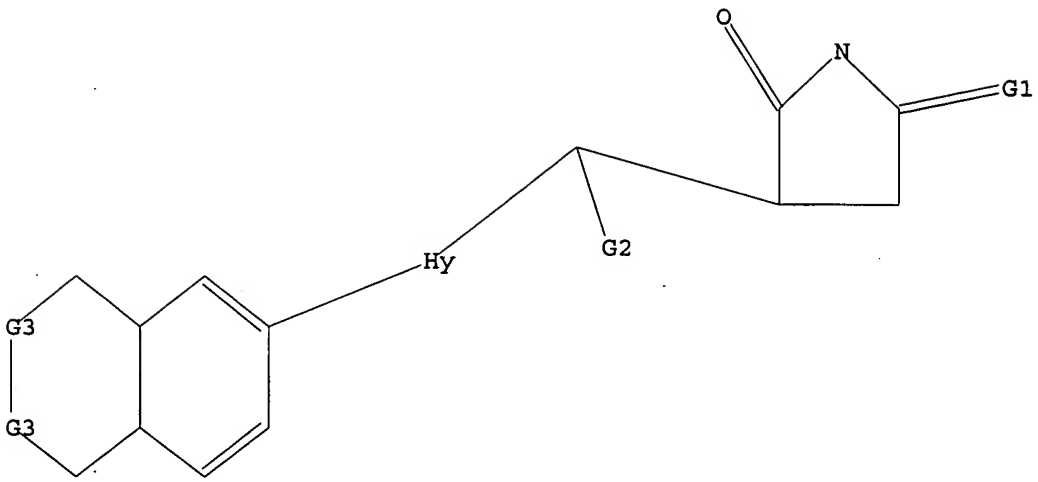
=> s l1 ful
FULL SEARCH INITIATED 18:49:49 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 62 TO ITERATE

100.0% PROCESSED 62 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

L2 0 SEA SSS FUL L1

L1 STRUCTURE UPLOADED

=> d
L1 HAS NO ANSWERS
L1 STR



G1 S,N
G2 H,Me,Et,n-Pr,n-Bu,OH
G3 C,O

Structure attributes must be viewed using STN Express query preparation.

=> s l1 ful
FULL SEARCH INITIATED 10:48:00 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 1992 TO ITERATE

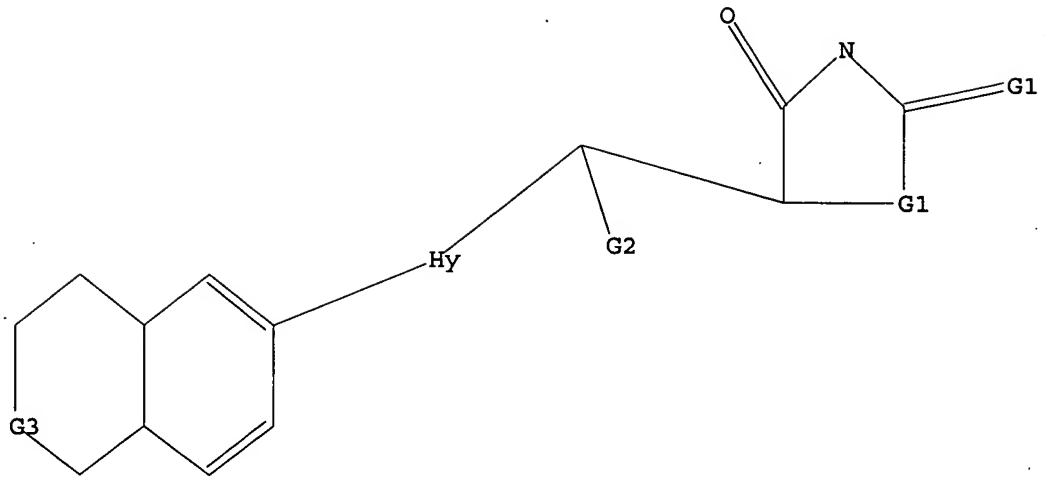
100.0% PROCESSED 1992 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

L2 0 SEA SSS FUL L1

=>
Uploading C:\Program Files\Stnexp\Queries\rkc111g.str

L3 STRUCTURE UPLOADED

=> d
L3 HAS NO ANSWERS
L3 STR



G1 S,N

G2 H,Me,Et,n-Pr,n-Bu,OH

G3 C,O

Structure attributes must be viewed using STN Express query preparation.

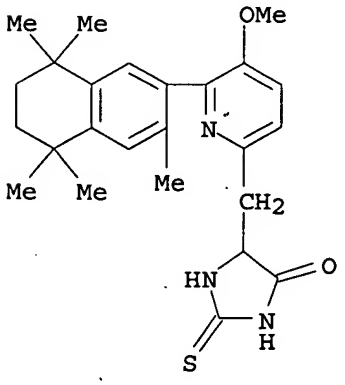
=> s l3 ful
FULL SEARCH INITIATED 10:51:00 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 7159 TO ITERATE

100.0% PROCESSED 7159 ITERATIONS 4 ANSWERS
SEARCH TIME: 00.00.01

L4 4 SEA SSS FUL L3

=> d 1-4

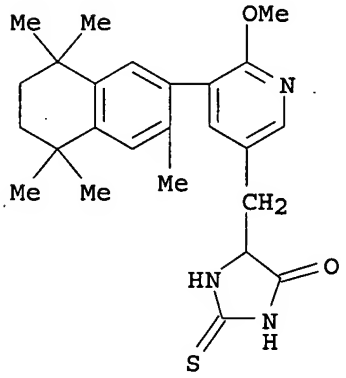
L4 ANSWER 1 OF 4 REGISTRY COPYRIGHT 2005 ACS on STN
RN 329216-88-8 REGISTRY
ED Entered STN: 28 Mar 2001
CN 4-Imidazolidinone, 5-[[5-methoxy-6-(5,6,7,8-tetrahydro-3,5,5,8,8-pentamethyl-2-naphthalenyl)-2-pyridinyl]methyl]-2-thioxo- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C25 H31 N3 O2 S
SR CA
LC STN Files: CA, CAPLUS, USPAT2, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 2 OF 4 REGISTRY COPYRIGHT 2005 ACS on STN
RN 329216-86-6 REGISTRY
ED Entered STN: 28 Mar 2001
CN 4-Imidazolidinone, 5-[[6-methoxy-5-(5,6,7,8-tetrahydro-3,5,5,8,8-pentamethyl-2-naphthalenyl)-3-pyridinyl]methyl]-2-thioxo- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C25 H31 N3 O2 S
SR CA
LC STN Files: CA, CAPLUS, USPAT2, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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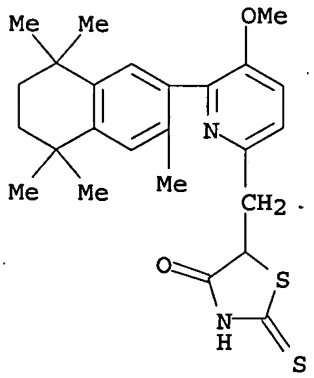
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 3 OF 4 REGISTRY COPYRIGHT 2005 ACS on STN
RN 329216-59-3 REGISTRY
ED Entered STN: 28 Mar 2001
CN 4-Thiazolidinone, 5-[[5-methoxy-6-(5,6,7,8-tetrahydro-3,5,5,8,8-pentamethyl-2-naphthalenyl)-2-pyridinyl]methyl]-2-thioxo- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C25 H30 N2 O2 S2
SR CA
LC STN Files: CA, CAPLUS, USPAT2, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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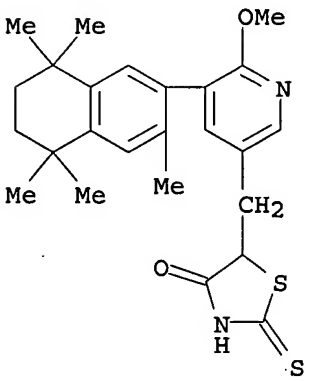
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 4 OF 4 REGISTRY COPYRIGHT 2005 ACS on STN
RN 329216-58-2 REGISTRY
ED Entered STN: 28 Mar 2001
CN 4-Thiazolidinone, 5-[[6-methoxy-5-(5,6,7,8-tetrahydro-3,5,5,8,8-pentamethyl-2-naphthalenyl)-3-pyridinyl]methyl]-2-thioxo- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C25 H30 N2 O2 S2
SR CA
LC STN Files: CA, CAPLUS, USPAT2, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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L5            1 L4

=> d fbib abs fhitstr

L5   ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2005 ACS on STN
AN   2001:167984  CAPLUS
DN   134:222707
TI   Preparation of benzylidene-thiazolidinediones and analogs as antidiabetics
IN   Pfahl, Magnus; Tachdjian, Catherine; Al-Shamma, Hussien A.; Fanju, Andrea;
     Pleynet, David P. N.; Spruce, Lyle W.
PA   Maxia Pharmaceuticals, Inc., USA
SO   PCT Int. Appl., 159 pp.
     CODEN: PIXXD2
DT   Patent
LA   English
FAN.CNT 2
     PATENT NO.           KIND   DATE        APPLICATION NO.          DATE
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            CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,
            HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
            LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,
            SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU,
            ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
        RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
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            CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
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				US 2002-334932	A1 20021231

PATENT FAMILY INFORMATION:

FAN 2001:167985

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001016123	A1	20010308	WO 2000-US24348	20000831
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	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
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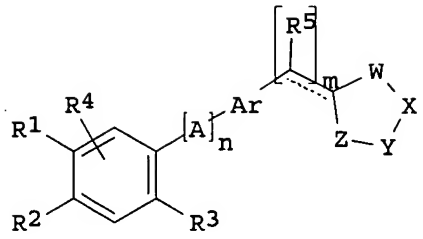
OS MARPAT 134:222707

GI



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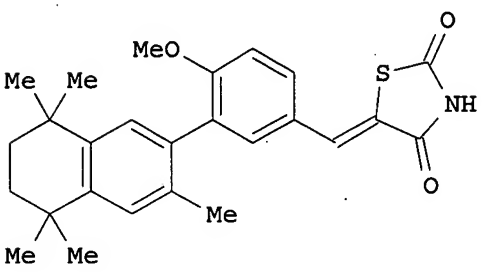


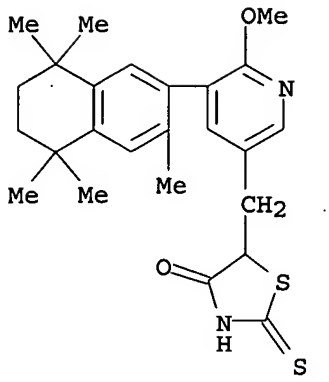
II

AB The title compds. [I; n, m = 0-1; R1, R2 = H, alkyl, haloalkyl, etc.; R1 and R2 together with the aromatic ring bonded thereto form (un)substituted cycloalkyl, cycloalkenyl that may optionally comprise 1 or 2 heteroatoms selected from O, S, NH, N(alkyl); R3, R4 = H, alkyl, haloalkyl, etc.; A = CR6R7 (R6, R7 = H, alkyl, alkoxy, etc.; CR6R7 = cycloalkyl that may optionally comprise 1 or 2 heteroatoms selected from O, S, NH and N(alkyl)); Ar = phenylene, pyridylidene; R5 = H, halo, OH, etc.; W, X, Y, Z = CO, CS, S, O, NH-residues that together form a 2,4-thiazolidinedione, 2-thioxo-4-thiazolidinone, isoxazolidinedione, etc.] which are useful in the treatment of diseases related to lipid and carbohydrate metabolism, such as type 2 diabetes, were prepared Thus, reacting 3-bromo-4-methoxybenzaldehyde with (3,5,5,8,8-pentamethyl-5,6,7,8-tetrahydronaphthalen-2-yl)boronic acid in the presence of Pd(PPh3)4 and K2CO3 in 1,2-dimethoxyethane followed by reaction of the resulting intermediate with 2,4-thiazolidinedione in PhMe containing piperidine afforded the thiazolidinedione II. Biol. data such as glucose and triglyceride lowering activity of representative compds. I were given.

IT **329216-58-2P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of benzylidene-thiazolidinediones and analogs as antidiabetics)

RN 329216-58-2 CAPLUS

CN 4-Thiazolidinone, 5-[[6-methoxy-5-(5,6,7,8-tetrahydro-3,5,5,8,8-pentamethyl-2-naphthalenyl)-3-pyridinyl]methyl]-2-thioxo- (9CI) (CA INDEX NAME)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Me
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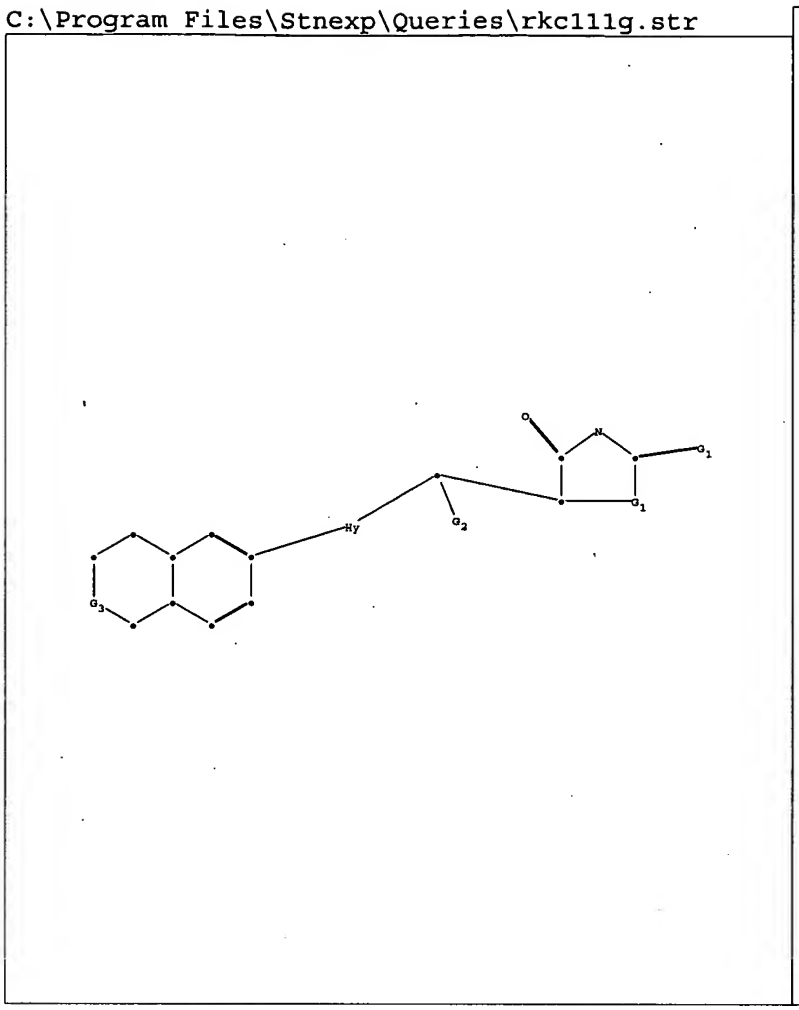
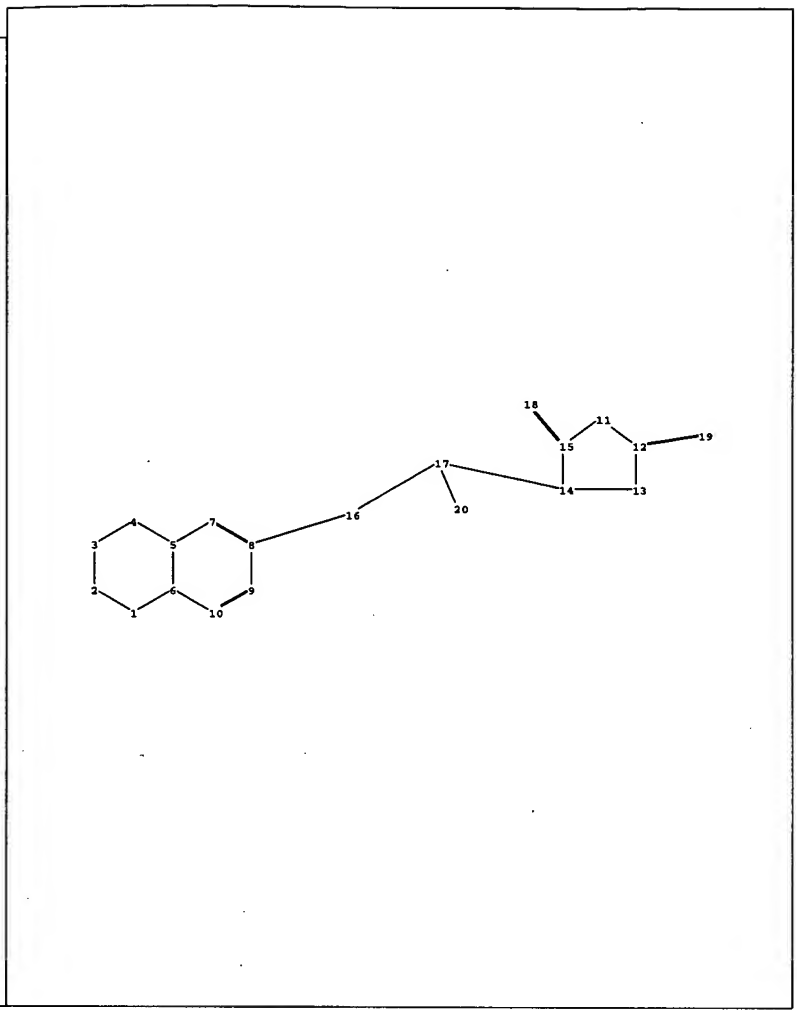
N
Me
Me
Me
CH2
O
S
N
H
S

C:\Program Files\Stnexp\Queries\rkc111g.str





chain nodes :
16 17 18 19 20
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
chain bonds :
8-16 12-19 14-17 15-18 16-17 17-20
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 8-9 9-10 11-12 11-15 12-13 13-14 14-15
exact/norm bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 8-9 8-16 9-10 11-12 11-15 12-13 12-19
13-14 14-15 14-17 15-18 16-17 17-20
isolated ring systems :
containing 1 : 11 :

G1:S,N

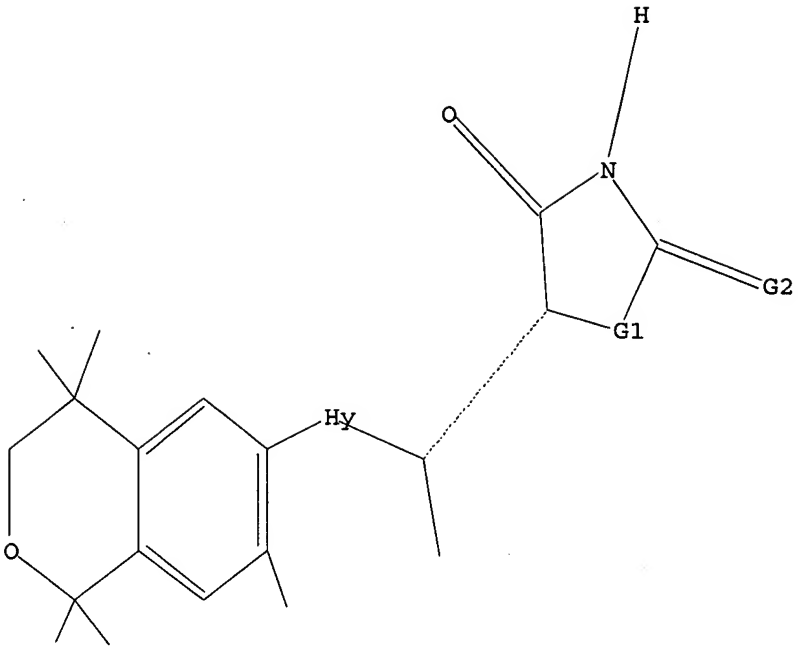
G2:H,CH3,Et,n-Pr,n-Bu,OH

G3:C,O

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
12:Atom 13:CLASS 14:Atom 15:Atom 16:Atom 17:CLASS 18:CLASS 19:CLASS 20:CLASS
Generic attributes :
16:
Saturation : Unsaturated
Number of Carbon Atoms : less than 7
Type of Ring System : Monocyclic

Element Count :
Node 16: Limited

L1 HAS NO ANSWERS
L1 STR



G1 S,N
G2 O,S

Structure attributes must be viewed using STN Express query preparation.

=> s l1 ful
FULL SEARCH INITIATED 13:33:32 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 5 TO ITERATE

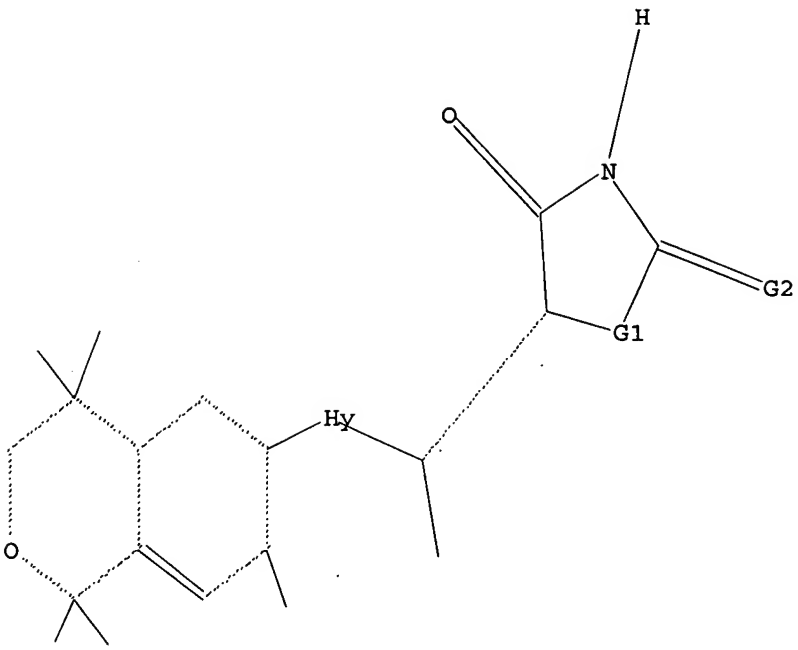
100.0% PROCESSED 5 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

L2 0 SEA SSS FUL L1

=>
Uploading C:\Program Files\Stnexp\Queries\rkc111b.str

L3 STRUCTURE UPLOADED

=> d
L3 HAS NO ANSWERS
L3 STR



G1 S,N

G2 O,S

Structure attributes must be viewed using STN Express query preparation.

=> s l3 ful
FULL SEARCH INITIATED 13:35:13 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 5 TO ITERATE

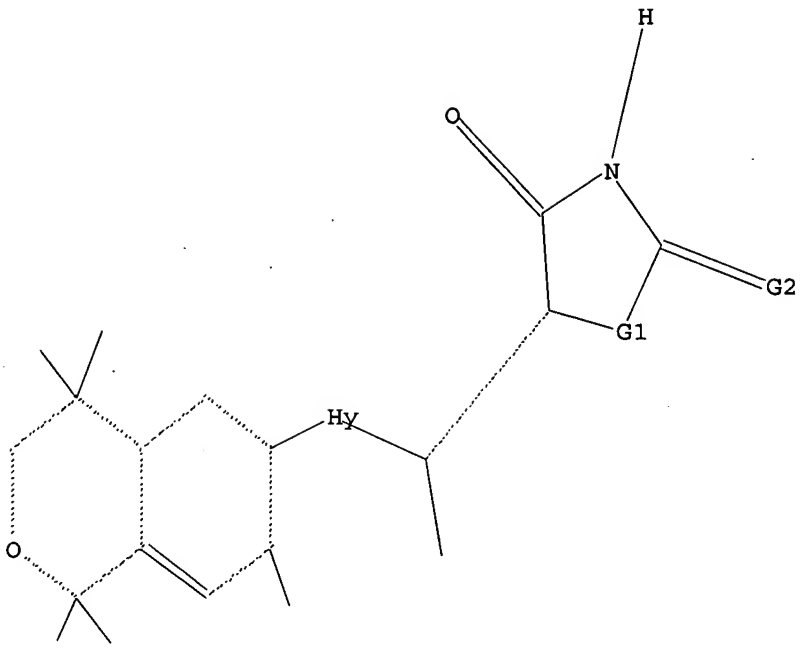
100.0% PROCESSED 5 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

L4 0 SEA SSS FUL L3

=>
Uploading C:\Program Files\Stnexp\Queries\rkc111c.str

L5 STRUCTURE UPLOADED

=> d
L5 HAS NO ANSWERS
L5 STR



G1 S,N

G2 O,S

Structure attributes must be viewed using STN Express query preparation.

```
=> s l5 ful
FULL SEARCH INITIATED 13:37:18 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -      5 TO ITERATE

100.0% PROCESSED        5 ITERATIONS                                0 ANSWERS
SEARCH TIME: 00.00.01

L6             0 SEA SSS FUL L5

=>
Uploading C:\Program Files\Stnexp\Queries\rkc111d.str

L7      STRUCTURE UPLOADED

=> s l7 ful
FULL SEARCH INITIATED 13:38:35 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -      5 TO ITERATE

100.0% PROCESSED        5 ITERATIONS                                0 ANSWERS
SEARCH TIME: 00.00.01

L8             0 SEA SSS FUL L7
```